

IN THE CLAIMS

Claims 1-7 (canceled)

8. (new) A guide blade of an axial flow fan shroud comprising:
a leading edge for introducing the air blown by an axial flow fan including a plurality of blades;
a trailing edge extended from the leading edge to downstream; and

an air flow guide surface for guiding the blown air between the leading and trailing edges,

wherein the area from a root to a radius r_a is defined as the first outlet area a;

the area from a radius r_a to the radius R which is the total length of the guide blade is defined as the second outlet area b;

the angle between the tangent line at the trailing edge and the axis of the axial flow fan is defined as the angle of projection A_{out} ; and wherein the angle of projection A_{out} increases as approaching a tip with respect to an axial line in the second outlet area b.

9. (new) The guide blade of an axial flow fan shroud according to claim 8, wherein the second outlet area b has a radial ratio r_a/R in the range of about 0.4 to 1 with respect to the total length R of the guide blade.

10. (new) The guide blade of an axial flow fan shroud according to claim 8, wherein the area from a root to a radius r_b is defined as the first inlet area A;

the area from the radius r_b to the radius R which is the total length of the guide blade is defined as the second inlet area B;

the angle between the tangent line at the leading edge and the axis of the axial flow fan is defined as the angle of incidence A_{in} ; and wherein

the second inlet area B has a radial ratio r_b/R in the range of about 0.4 to 1 with respect to the total length R of the guide blade, and the angle of incidence A_{in} gradually increases up to about 90° in the second inlet area B.

11. (new) The guide blade of an axial flow fan shroud according to claim 10, wherein U_s is a lateral velocity vector of air at a point P, and U_z is the axial velocity of

component of air at the point P, and the air flow guide surface is so curved that the angle of incidence A_{in} is the same as an air inflow angle $\tan^{-1}(U_s/U_z)$ in the first inlet area A, and the angle of projection A_{out} is 0° with respect to the axial line.

12. (new) The guide blade of an axial flow fan shroud according to claim 10, further comprising an auxiliary ring formed by a radius r_c from the root of the total length R of the guide blade, wherein the auxiliary ring partitions the first and second inlet areas A and B and the first and second outlet areas a and b.